

Test Plan for Automation Test Store

1. Introduction

This document outlines the scope, objectives, resources, and schedule for testing the *Automation Test Store* website. The purpose of this test plan is to ensure that all functional and non-functional components of the site work as expected under various conditions.

2. Scope of Testing

In Scope:

- Functional Testing of UI elements and features
- Cross-browser compatibility testing
- Responsive design testing (mobile, tablet, desktop)
- User flow testing (product browsing, cart, checkout)
- Form validation (login, registration, contact forms)
- Basic performance and load testing
- Basic security checks (e.g., login page, input sanitization)

Out of Scope:

- Backend/database testing
 - Payment gateway verification (dummy/test simulation only)
 - Extensive security testing (e.g., penetration testing)
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3. Objectives

- Verify that the main workflows (browsing products, adding to cart, user login/register, checkout) function correctly.
 - Ensure the site displays properly on major browsers and device sizes.
 - Validate that all forms have proper input validation and error handling.
 - Check for broken links, missing images, and JavaScript errors.
 - Evaluate site responsiveness and loading times under normal usage conditions.
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4. Test Approach

4.1 Testing Types

- **Functional Testing:** Manual and/or automated testing of all features.
- **UI/UX Testing:** Verifying layout, alignment, colors, and responsiveness.
- **Regression Testing:** Ensuring recent changes haven't broken existing functionality.
- **Compatibility Testing:** Testing across different browsers (Chrome, Firefox, Safari, Edge) and devices.
- **Performance Testing:** Basic checks for loading time and responsiveness.
- **Security Testing:** Input validation, session management, and cookie checks.

4.2 Tools Used

- **Automation:** Selenium, Cypress, or Playwright
- **Bug Tracking:** Jira, Trello, or GitHub Issues
- **Test Management:** TestRail, Zephyr, or Excel
- **Performance:** Lighthouse, GTMetrix
- **Browser Testing:** BrowserStack or real devices

5. Test Deliverables

- Test Plan Document
 - Test Cases / Test Scenarios
 - Test Execution Report
 - Defect Report
 - Final Test Summary Report
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6. Schedule

Activity	Start Date	End Date
Test Planning	April 18	April 19
Test Case Design	April 20	April 22
Test Execution	April 23	April 27
Bug Reporting/Retest	April 24	April 29
Test Closure	April 30	May 1

7. Entry & Exit Criteria

Entry Criteria

- Functional specifications are available.
- Test environment is set up and stable.
- Required tools are configured and accessible.

Exit Criteria

- All test cases executed.
 - All critical and high-severity bugs resolved.
 - Test summary report reviewed and signed off.
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8. Risks & Mitigations

Risk	Mitigation Strategy
Third-party services may be down	Use mocks or stubs during testing
Unexpected UI changes	Regular sync with dev team
Limited test data	Create reusable dummy test data

9. Team Roles & Responsibilities

- **Test Manager:** Overall planning, scheduling, and coordination
- **Test Engineers:** Test case creation and execution
- **Automation Engineer:** Script development and maintenance
- **QA Analyst:** Bug reporting, documentation, and reporting